

Fig. 1A

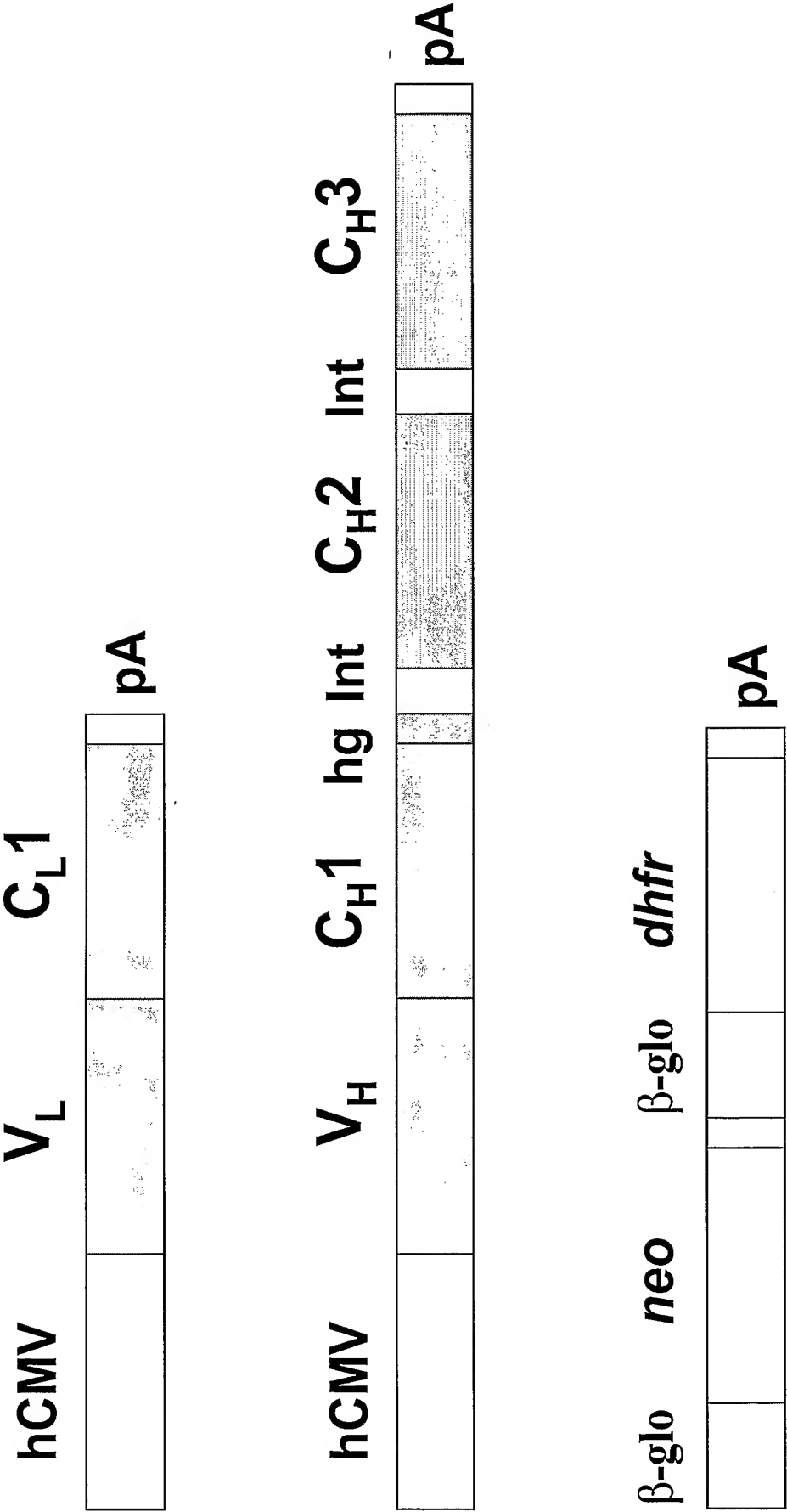


Fig. 1B

(A)	FR1	CDR1	FR2	CDR2
5A7	--ELTQGPATLSLSPGERATLSC	RAGQSLDS----SLIS	WYQKPGQAPRLIMY	DASTRAP
3C1	ELQM,,S,S,,A,V,D,V,VT,,	,,SED,N-----KW,A	,,,,,,,K,K,I,	K,,SLES
3E4	--,,S,LS,PVTL,QP,SI,,	,,SS,N,VHSDGNTY,,	,I,R,,P,,,,I,	KV,N,DS
7G4	--,,S,S,,A,V,D,V,IT,,	,,S,GIS-----W,A	,,,,,,,K,KF,I,	K,,SLES
5H2	ELQM,,S,SS,,A,V,D,V,IT,,	,,S,DIS-----IR,N	,,,,,,,K,K,I,	,,,LES
5D9	--,,S,SS,,A,V,D,V,IT,,	,,S,GIS-----NR,N	,,,,,,,G,KF,,	,,,SIVS
	FR3	CDR3	FR4	
5A7	GVPARFSGSGGTDFTLTISSLQPEDFAVYY	CQHQYNLPRT	FGQGTKLEIKRT	
3C1	,,S,,,,,,E,,,,,,D,,T,,	,,YQSY,Y,,	,,P,,,,,,,	
3E4	,,D,,,,,,A,,,,,K,TRVEA,,VGL,,	,,V,GVQF,I,,	,,,,,,,,,	
7G4	,,S,,,,,,E,,,,,,D,,T,,	,,YGSY,L,,	,,P,,VD,,,	
5H2	,,S,,,,,,T,,	,,FNSY,L,,	,,G,,V,,,,,	
5D9	,,S,,,,,,T,,	,,FNSY,L,,	,,G,,,,,,,	
(B)	FR1	CDR1	FR2	CDR2
5A7	EVQLLES-GGGLVQPGGSLRLSCAASGVTFPS	SYVMH	WVRQAPGKGLEWV	SRINSDGSSTNYADSV
3C1	,,,,,,,-,AEVKK,,,,VKV,,KV,,G,L,	,,GIS	,,,,,,,Q,P,,M	GV,IPIRGTA,,,QKFQ,
3E4	,,,,,,QS,AEVKK,,,,VKV,,KV,,G,,	RNPIS	,,,,,,,Q,,,,M	,,V,VPIVGT,KH,QKFQ,
7G4	,,,,,,,-,,,,,,,T,,,,,,F,,	,,,	,,,,,,,,P,,,	AL,KK,,,EKY,,E,,K,
5H2	,,,,,,,-,P,,K,SET,S,T,TV,,GSI,	DFYWS	,,L,,S,,,,,,I	GYAH,RV,-AY,NP,LKS
5D9	,,,,,,,-,P,,K,SET,S,T,TV,,GSI,	DFYWS	,,L,,S,,,,,,I	GYAH,RV,-AY,NP,LKS
	FR3	CDR3	FR4	
5A7	RFTISRDNAKNTLYLQMNSLRLEDFAVYYC	SRGGLWDNSPRRIEETKTPFDY	WGQGLTVTVSS	
3C1	,,V,YTA,,ESTS,V,MELS,,S,,,,,,	AT-----G,,	CRYPTGS,,	,,A,,,,,
3E4	,,V,,TA,,ESTS,A,MELS,,S,,,,,,	AT-----Y,,	YADVSSYSE,	,,,,,,,,
7G4	,,,,,,,,S,,,,,,T,,,,,,	T,-----	RITTLTVISDA,,I	,,M,,,,,
5H2	,,V,,V,TS,,Q,S,RLSAVT,A,,L,,	A,-----	QGTGTGVSED,F,L	,,K,I,,L
5D9	,,V,,V,TS,,Q,S,RLSAVT,A,,L,,	A,-----	QGTGTGVSED,F,L	,,K,I,,L

Fig. 2

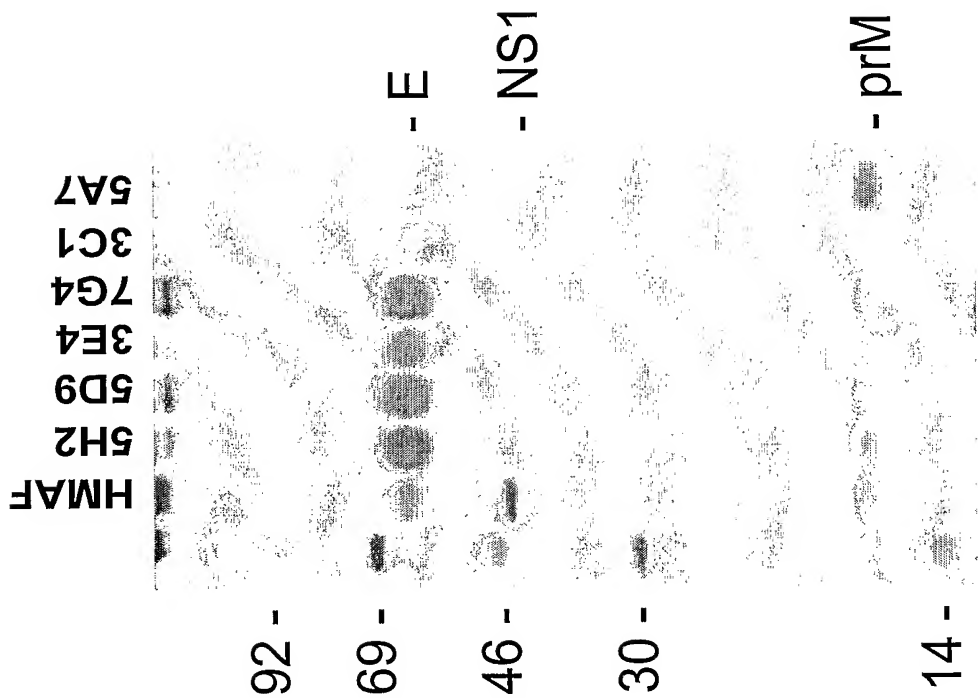
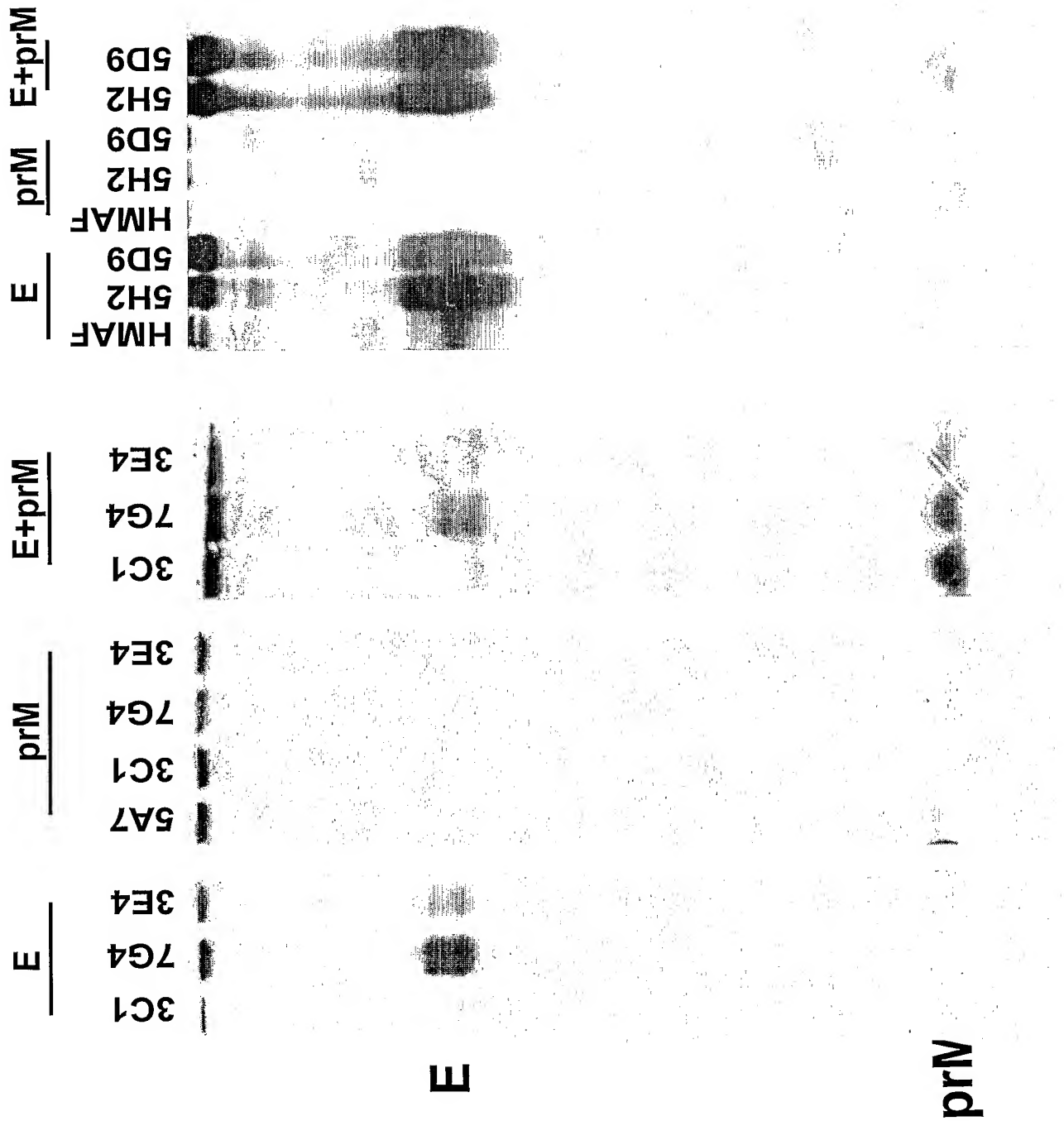


Fig. 3A

Fig. 3B



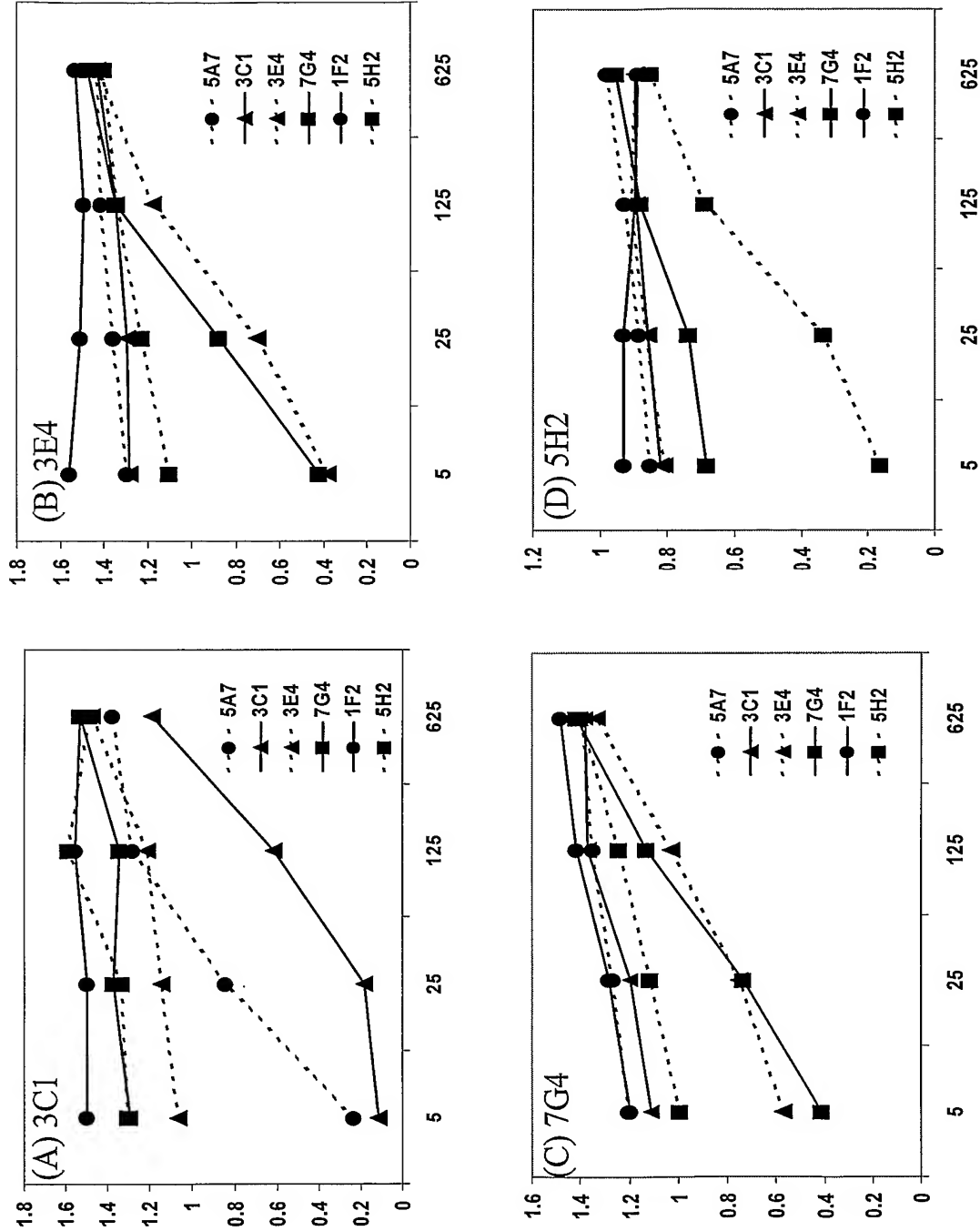


Fig. 4

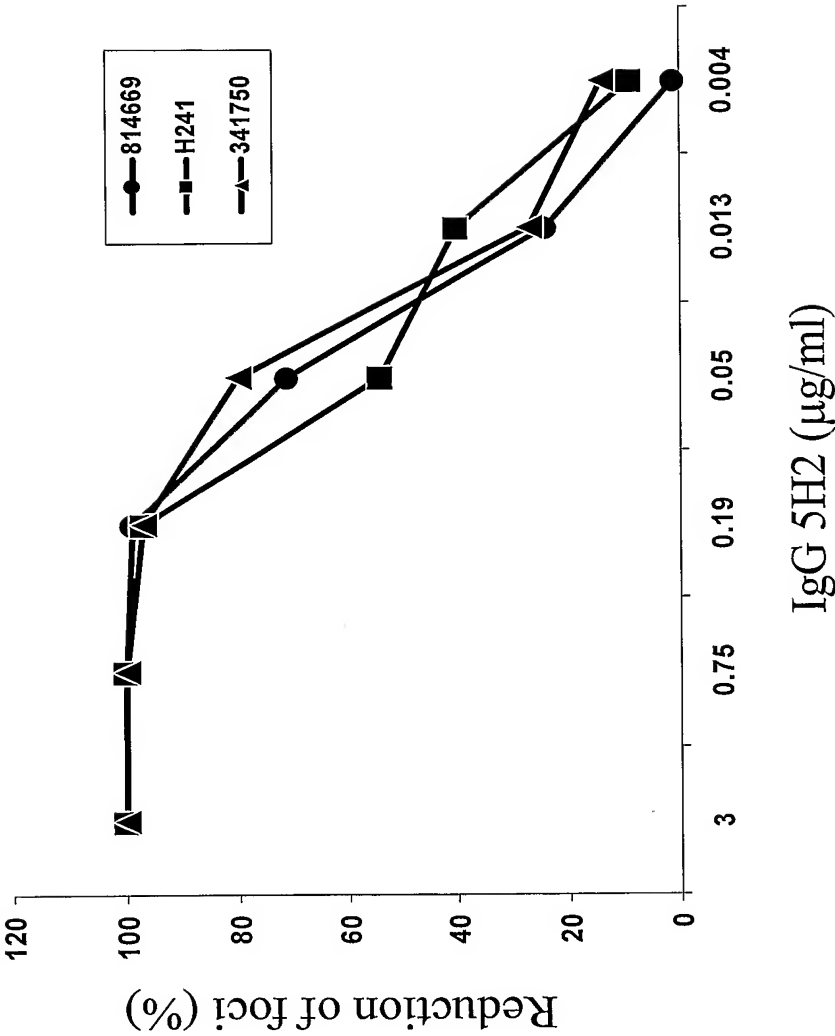


Fig. 5

(A)				
	FR1	CDR1	FR2	CDR2
2H7	ELQMTQSPSSLSASVGDRTITC	RASQITN-----YLS	WYQKPKGAPKLLIS	YSSTLQS
2H5	--EL.....V.....	....T.....V.....	.....N...Y	FA...H.
3A2	--EL.....V.....	.....	.....Y	HA.....
1A5	.....V.....T...A.	.....	.....Y	HA.....
1B2	.....	....G.SS-----E.N	.....Y	DA.S.E.
1A10	.....L...VAP.QPAS.S.	KS...LLHSDGNT..F	..L..S.QS.Q...	Y GLSNRA.
3E4	A.L....L..PVTI.QPAS.S.	RS..NLVHSDGNT..S	.IQ.RP.QP.R...Y	KVSNRD.
(B)				
	FR1	CDR1	FR2	CDR2
2H7	GVPSRFSGSGCTFTLTISLQPEDFATYY	CHYG-YGTHT	FGPGTKVDIKRT	
2H5	.....N....D.....	.Q.-.-..Q.	..Q...LEV...	
3A2	I.....D.....	.....	..Q...LE....	
1A5	I.....D.....	.....	..Q...LE....	
1B2	.....	....QHFNFPW..	..Q...LE....	
1A10	...D.....K..QVEA..VGVF.	MQ.TOLPY.	..Q...LE....	
3E4	...D.....A.....K..TRVEA..VGLY.	VQ.VQFPI.	..Q...RLE....	
(B)				
	FR1	CDR1	FR2	CDR2
2H7	EVQLLE-SGGELVQPGGSRRLSCAASGFTIS--	DNVMH	WVRQAPRGLEWV	ALIYSAD-STHYADSVKG
2H5	.....V.....	.....	.....	-T.....
3A2	.....Q.....	.....	.....	-T.....
1A5	.....	.....	.....	-T.....
1B2	.....P...K.SQTLS.T..V..GSITSD	HYFWS	.M....R....I	GY.SYRG-T.Y.NP.L.S
1A10	.....E..AEVKK..SSVKV..KV..GTF.--	R.PIS	.....Q....M	GV.VPIVGT.KH.QKFQ.
3E4	.....Q..AEVKK..SSVKV..KV..GTF.--	R.PIS	.....Q....M	GV.VPIVGT.KH.QKFQ.
(B)				
	FR3	CDR3	FR4	
2H7	RFTISRDNKNTLYIQMDGLRPEDTAVYIC	AREYCTGGT-CFAHFDY	WGQGTIVTVSS	
2H5	.....S.....	.....D.-.....	.....S...	
3A2	.....S.....	.....G.-.....	.....T...	
1A5	.....S.....	.....D.-.....	.....S...	
1B2	.V.M.VTAA.....	..ASV.AGMPAAGTL.H	.....
1A10	RV.IIA.ESTSTAYMELSS..S.....	TYAD.---SSYSEY	.....
3E4	RV.IIA.ESTSTAYMELSS..S.....	TYADV---SSYSEY	.....

Fig. 6

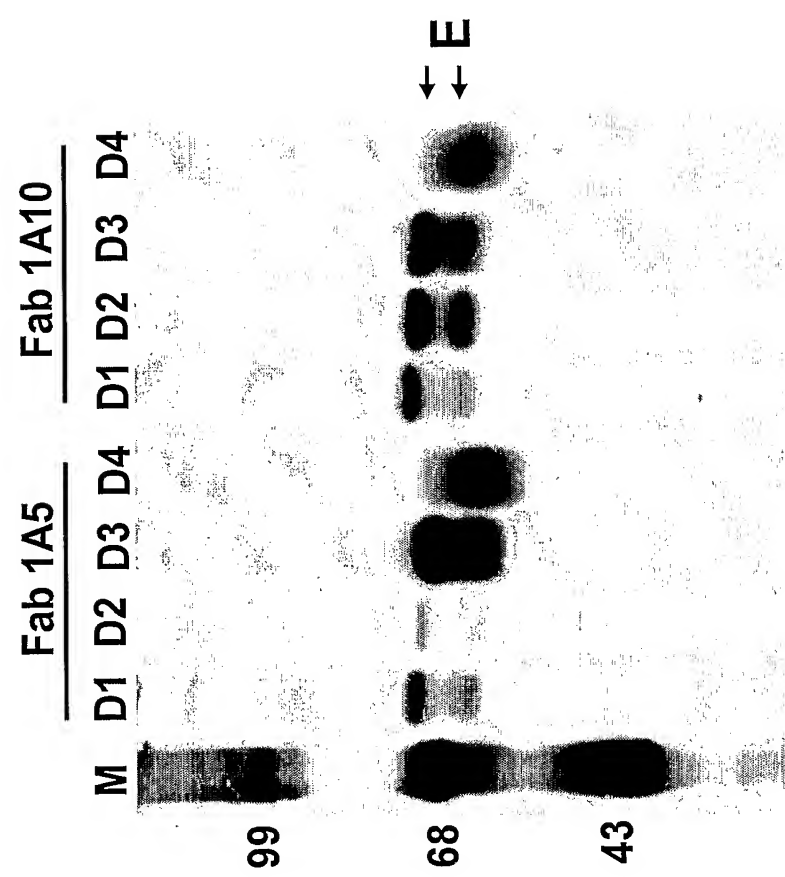


Fig. 7

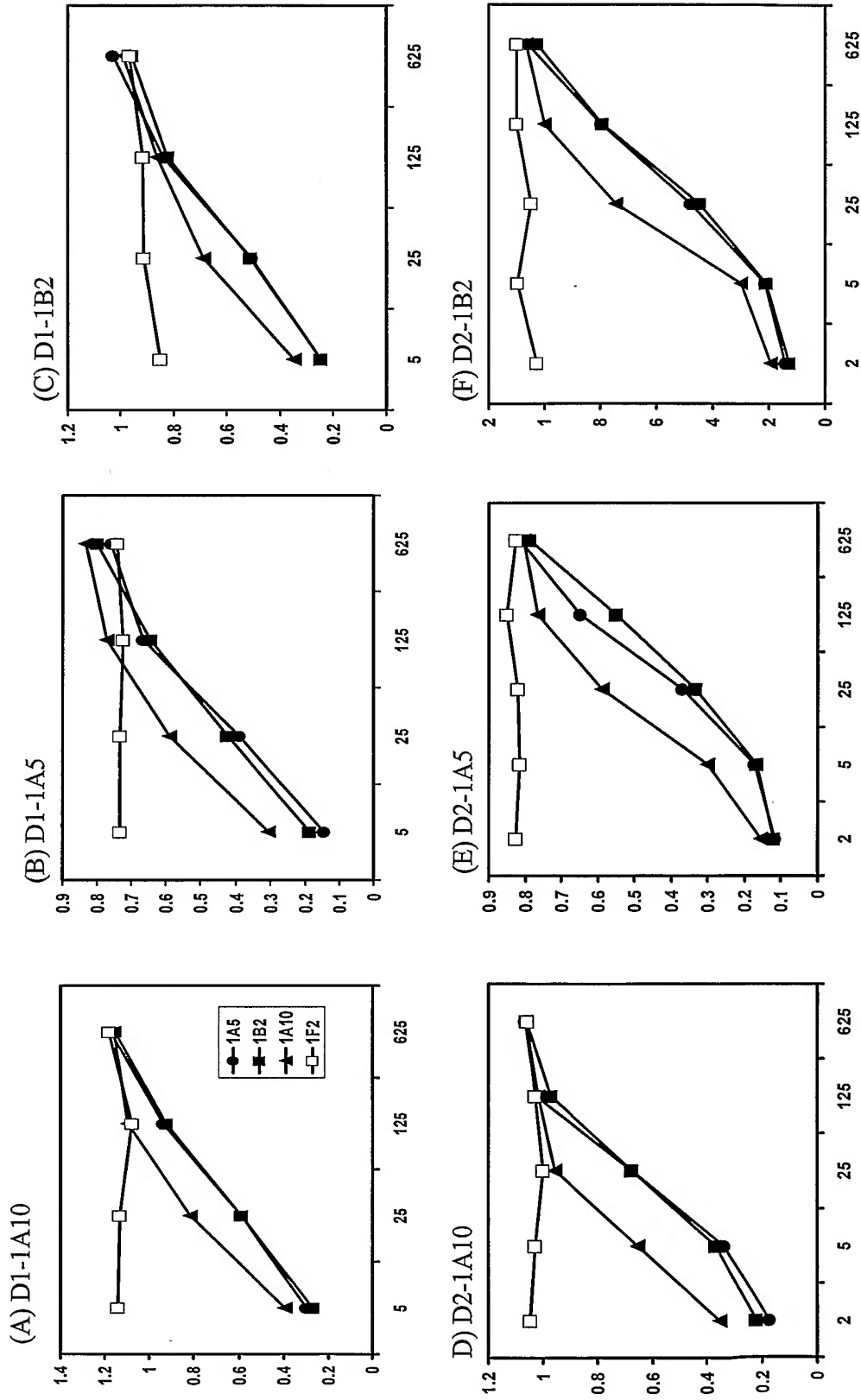


Fig. 8

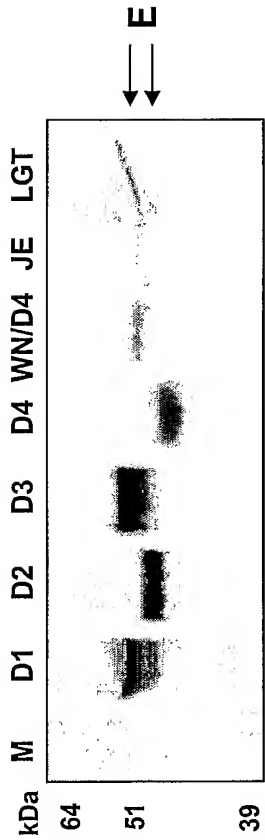


Fig. 9

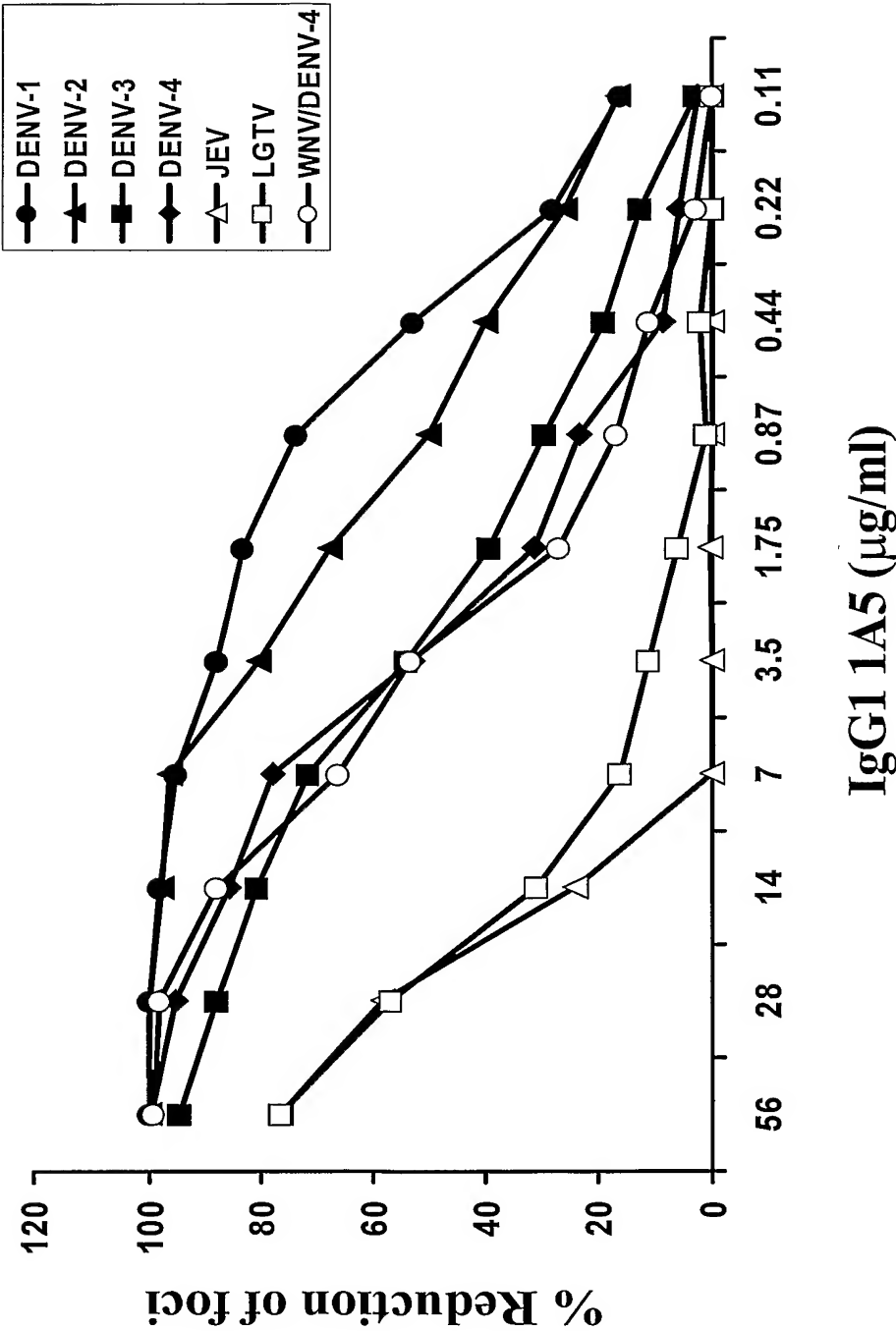
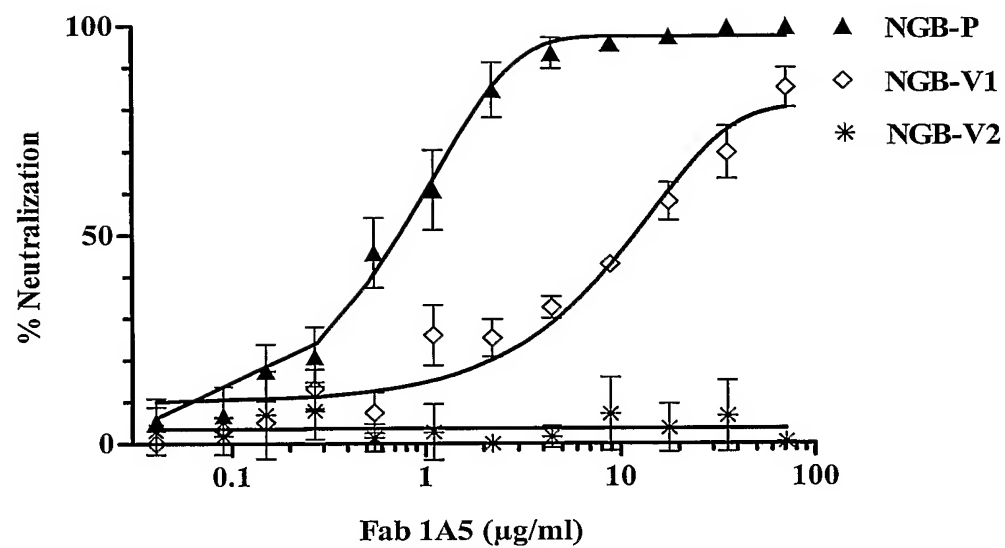


Fig. 10

A



B

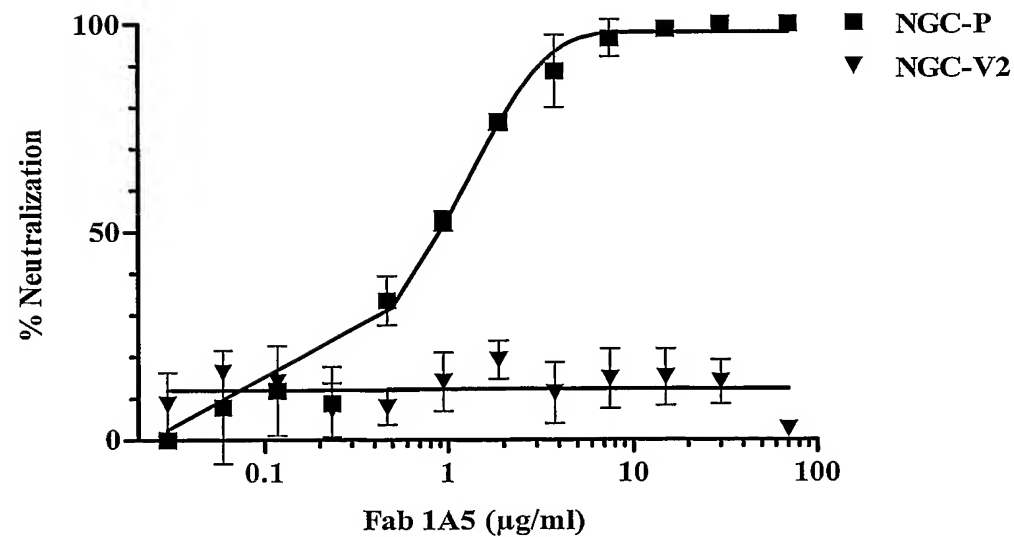


Fig. 11

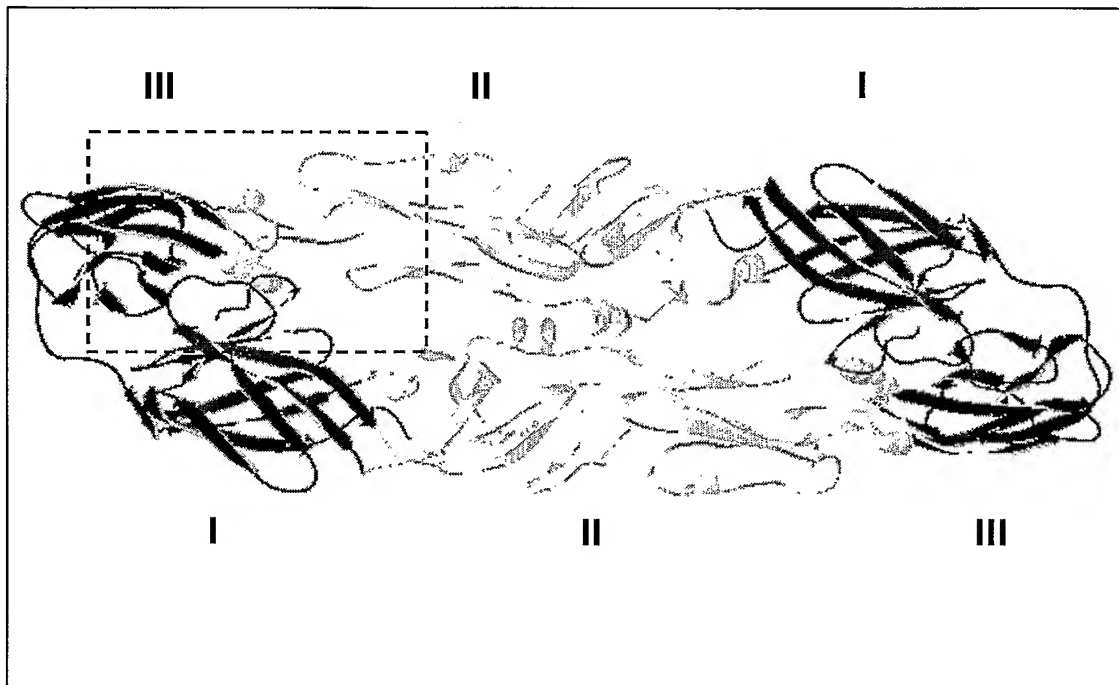
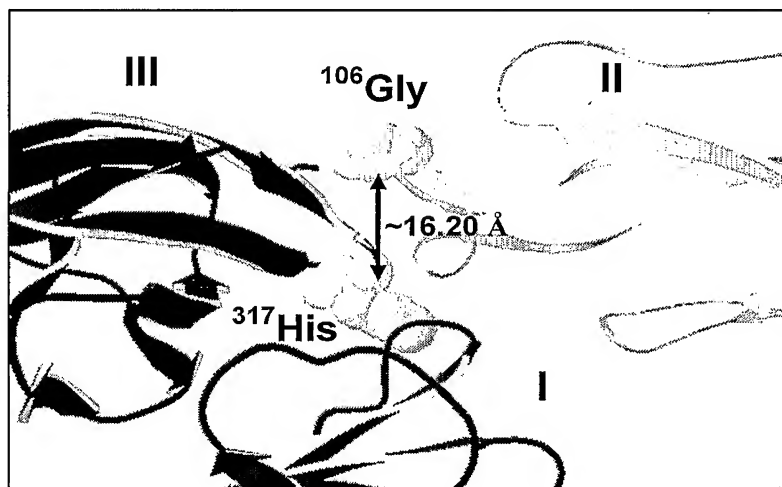
A

		Gly ₁₀₆ ↓	
		<u>c</u>	<u>d</u>
DENV-2 P	89	R F V C K H S M V D R G W G N G C G L F G K G G I V T C A M F T	120
DENV-2 V1		-----	
DENV-2 V2		-----V-----	
DENV-1		N---RRTF-----SLI---K-K	
DENV-3		NY---TY-----SL---K-Q	
DENV-4		QYI-RRDV-----V---K-S	
WNV		A---RQGV-----S-D---K-A	
JEV		SY---QGFT-----S-D---K-S	
JEV SA14-14-2		SY---QGFT-----F---S-D---K-S	
SLEV		T---RDV-----S-D---K--	
YFV Asibi		DNA--RTYS-----S--A--K--	
YFV 17D		DNA--RTYS-----S--A--K--	
LGTV		GT---RDQS-----H-----S----VK--	
TBEV		GT---RDQS-----H-----S--A-VKAA	

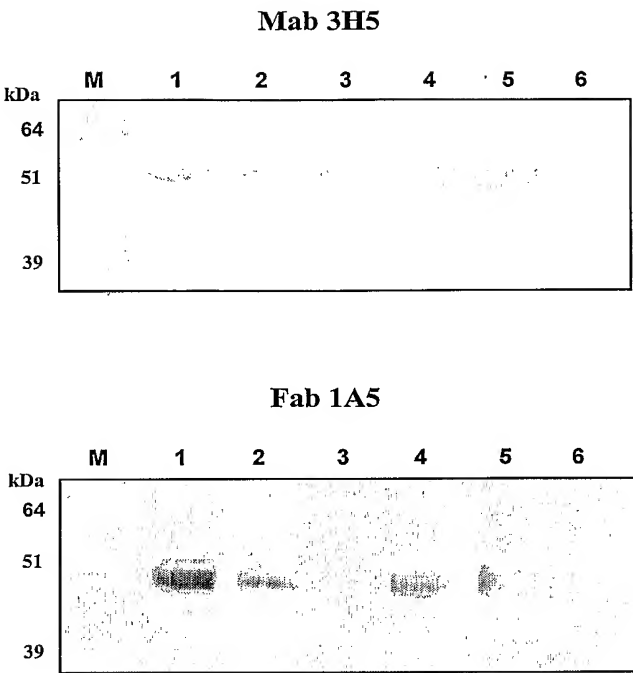
B

			His ₃₁₇		
			↓		
			<u>A</u>	<u>B</u>	
DENV-2 P	306	FKVVKEIAET <u>QHGT</u> TIVIRVQY			326
DENV-2 V1		-----Q-----			
DENV-2 V2		-----			
DENV-1		--LE--V-----VLVQ-K-			
DENV-3		-VLK--VS-----L-K-E-			
DENV-4		-SID--M-----T-VK-K-			
WNV		--FLGTP-D-G---V-LEL--			
JEV		-SFA-NP-D-G---V--ELT-			
JEV SA14-14-2		-SFA-NP-D-G---V--ELT-			
SLEV		-TFS-NPTD-G---VIVEL--			
YFV Asibi		MFF--NPDT-G---V-MQ-KV			
YFV 17D		MFF--NPDT-G---V-MQ-KV			
LGTV		-TWKRAPTD SG-D-V-ME-GF			
TBEV		-TWRRAPTD SG-D-V-ME-TF			

Fig. 12

A**B****Fig. 13**

A



B

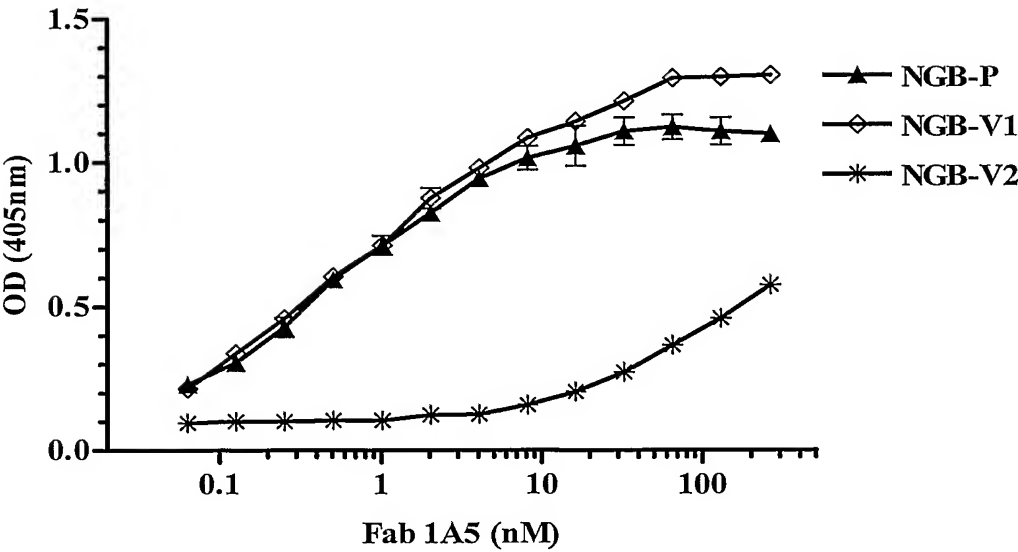
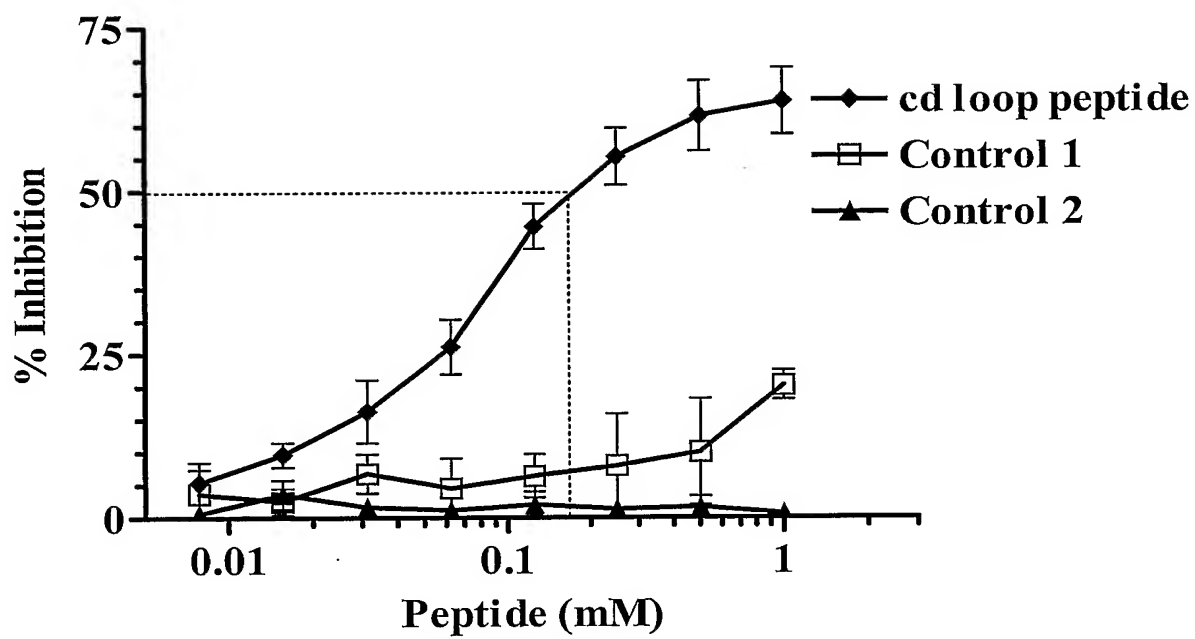
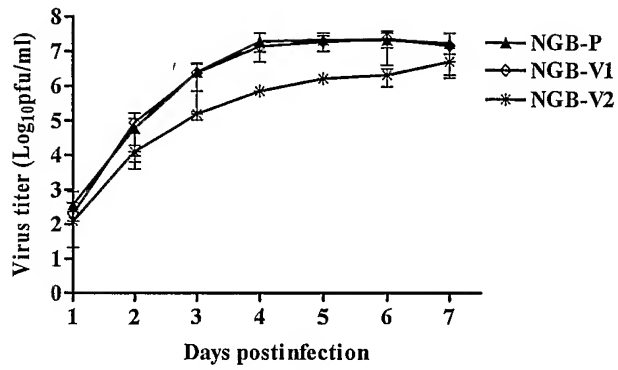


FIG. 14

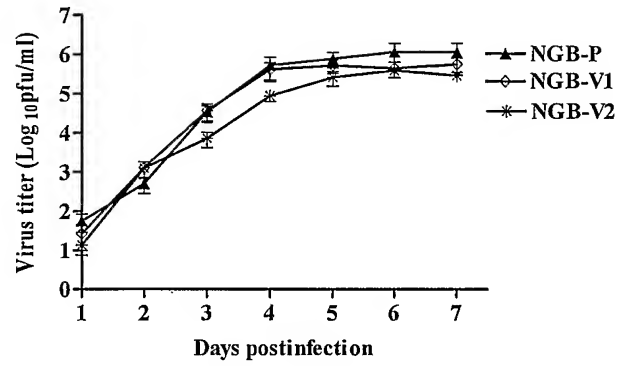
Fig. 14

**Fig. 15**

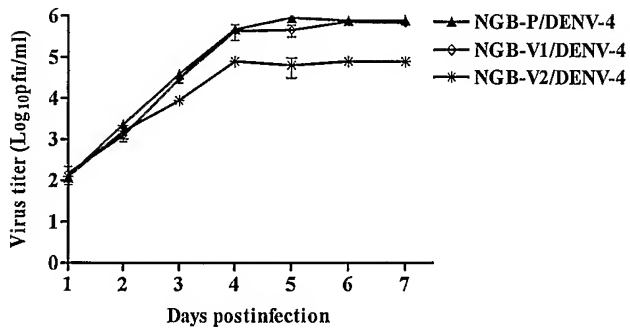
(A) C6/36



(B) Vero



(C) C6/36



(D) Vero

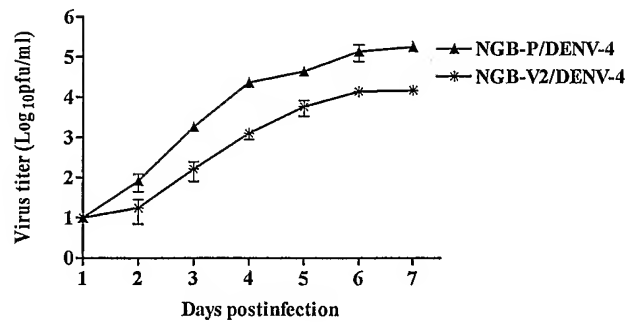
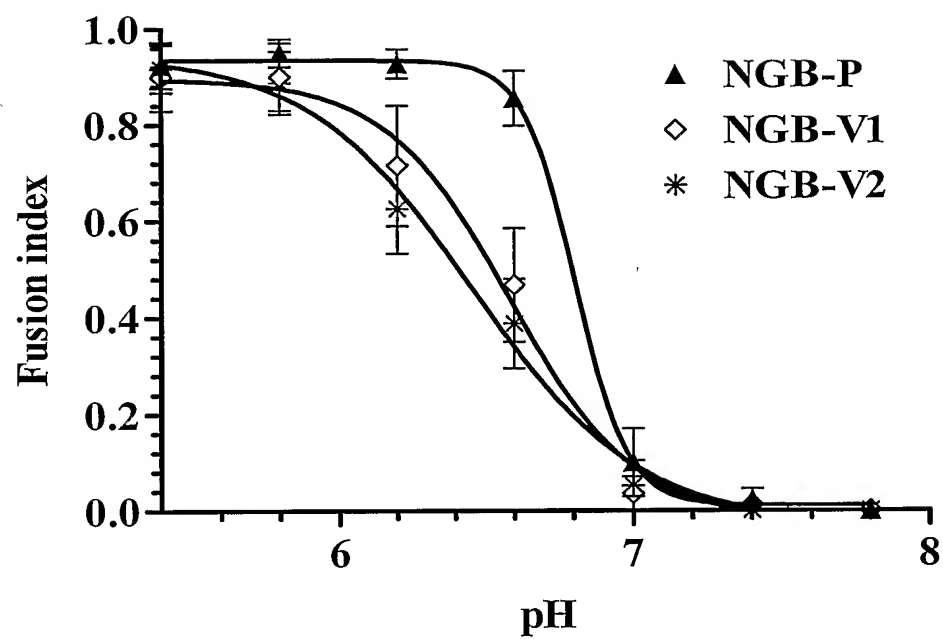
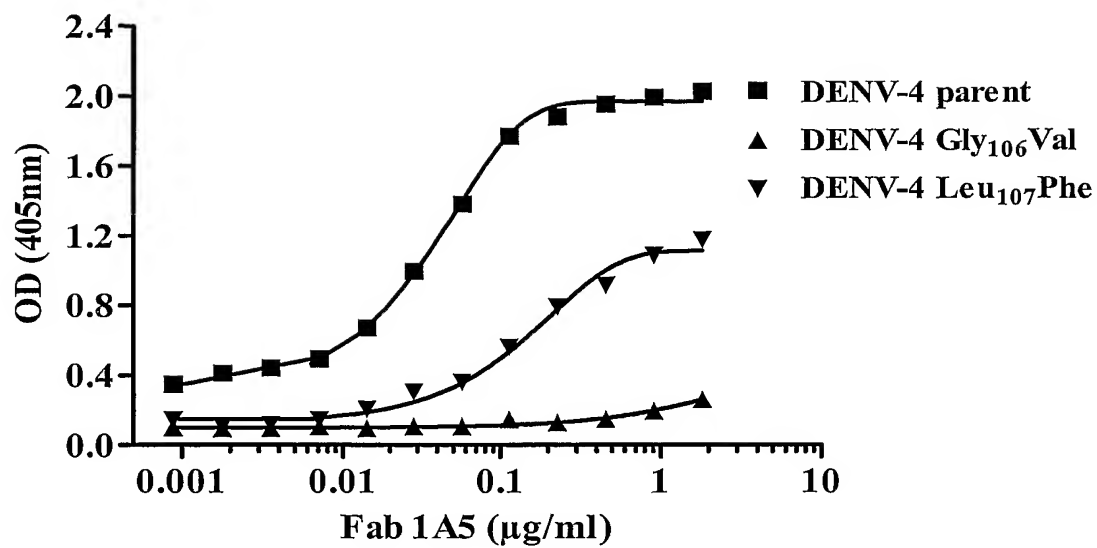


Fig. 16

**Fig. 17**

A



B

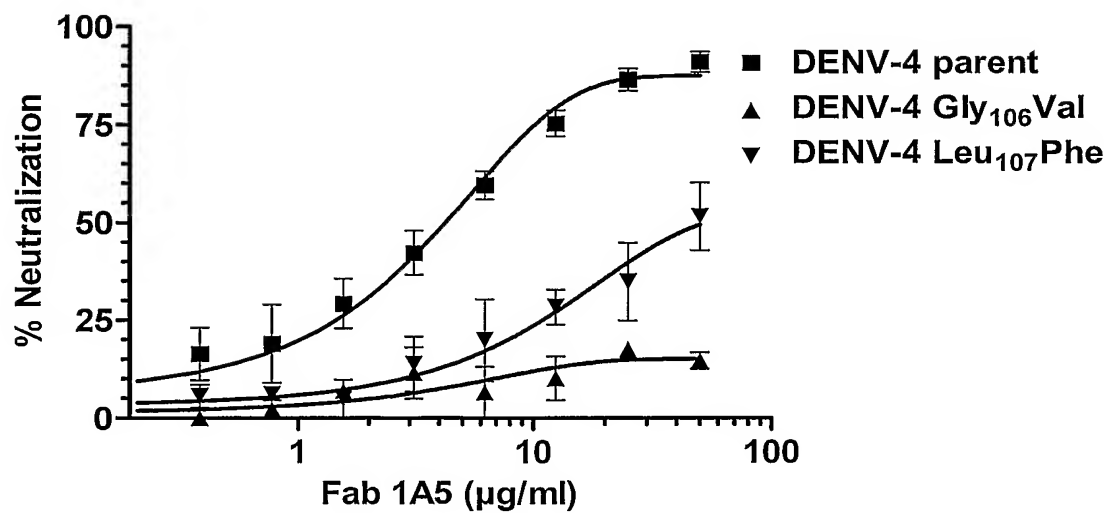


Fig. 18